

CLAIMS

1. The combination comprising :
  - a structure;
  - a mass with predetermined inertia properties;
  - 5 isolators connecting the structure and the mass in a hexapod configuration;
    - the mass and isolators being selected to provide tuned mass damping in all six degrees of freedom for the structure.
- 10 2. The combination described in claim 1, wherein:
  - the isolators comprise tubular damping struts with first and second spherical pivots at opposite ends of the tubular damping strut.
- 15 3. The combination comprising:
  - a structure;
  - a mass;
  - means for connecting the structure and the mass in a configuration that permits the mass and isolators to be deterministically selected to provide tuned mass damping in all six degrees of freedom for the
- 20 structure.

4. The combination described in claim 3, wherein the means compromises isolators arranged in a hexapod.